

CNM Short Course B: Introduction to Confocal Raman Spectroscopy

Time: 8:30 – 12:00

Date: Thursday, April 23

Location: Building 440, Room B108. Please note: Attendees should meet in the CNM Lobby.

Instructor: Dave Gosztola

Description: A hands-on demonstration of the capabilities of the CNM's confocal Raman microscopes will be presented. Subjects to be discussed and demonstrated include the following:

- Basic Raman spectroscopy concepts
- Anatomy of a confocal Raman microscope
- Sample preparation
- Simple spectra collection
- Effects of excitation wavelength
- Point mapping
- Line/area mapping
- Heating and cooling samples

Max Attendees: 8

Note: Attendees are encouraged to bring a sample of interest; please contact instructor David Gosztola prior to arrival for information on sample limitations.